

Title (en)

Optical recording medium, optical recording device and optical recording method

Title (de)

Optisches Aufzeichnungsmedium, optische Aufzeichnungsvorrichtung und optisches Aufzeichnungsverfahren

Title (fr)

Support d'enregistrement optique, dispositif d'enregistrement optique et procédé d'enregistrement optique

Publication

**EP 1246173 A2 20021002 (EN)**

Application

**EP 02006197 A 20020319**

Priority

JP 2001093941 A 20010328

Abstract (en)

A laser beam is directed to an optical recording medium such as a DVD-R to successively form thereon marks of a length corresponding to data with a spacing disposed therebetween. A Q value or the amount of reduction in time causes the rise time of laser irradiation to be delayed with respect to the scheduled rise time at least after a spacing equal in length to the mark of the shortest length employed for recording. The Q value satisfies the following equation (1) expressed in terms of the relationship between the recording speed n and an asymmetry. That is,  $(0.54 \times \text{Asymmetry} - 1.1) / n \leq Q \leq (0.54 \times \text{Asymmetry} + 0.1) / n$  (1) where the asymmetry is the ratio of an amplitude of the shortest mark to that of the longest mark of the recorded marks.

IPC 1-7

**G11B 7/0045**; **G11B 7/125**

IPC 8 full level

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CPC (source: EP US)

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